

NOTES AND NEWS.

IN *Meehan's Monthly* (June) will be found a portrait of Dr. Wm. Baldwin.

IN *Erythea* (June) Mr. J. G. Lemmon describes and figures a new *Pinus* of S. E. Arizona, named from that "Apache-infested" region *P. Apacheca*.

STEPHEN ELLIOTT is honored in *Garden and Forest* (May 23) by a biographical sketch, with portrait, and also by a full description and figure of *Elliottia racemosa*.

PROFESSOR VON SACHS of Würzburg continues his physiological notes in *Flora*. The last note forms an exceedingly interesting paper of 28 pages, on mechanomorphoses and phylogeny (*Flora* —: 215-243. 1894).—BAY.

A TRANSLATION of Kerner's admirable *Pflanzenleben* has been made by Professor Oliver and Misses Busk and Ewart and is already in course of publication in sixteen monthly parts by Messrs. Blackie & Son, London and Glasgow.

THE *Journal of Botany* for June is largely devoted to tropical African plants, Mr. A. B. Rendle describing some new *Asclepiads* (one a new genus), and in connection with Mr. James Britten describing several new *Convolvulaceæ*.

MESSRS. MORRIS & WILSON of Minneapolis announce the publication of a translation of Dr. Walter Oels' little manual of experimental plant physiology by Mr. D. T. MacDougal of the University of Minnesota. We shall present a fuller notice of the book later.

IN THE *Kew Bulletin* (May) is published a list of fifty-two plants collected by Dr. W. L. Abbott, an American naturalist, on the Aldabra Islands (north of Madagascar), and named by Mr. J. G. Baker. The collection contains ten new species, but not a single fern, grass, orchid, or composite.

MR. CHARLES L. POLLARD publishes an enumeration of the *Cassias* of North America north of the Mexican boundary in *Bull. Torr. Bot. Club* for May. Twenty-seven species are recognized, two of which are new, both from the Gulf states. The synonymy of the genus seems to be remarkably simple and unvexed.

HEFT FOUR of the *Berichte d. deutschen botan. Gesellschaft* contains: Johann Bachmann, on the influence of external factors upon the formation of the sporangia of *Thamnidium elegans* Link; H. Potonié, on the position of the *Sphenophyllaceæ* in the system; J. Christian Bay, *Sachsia*, a new genus of the yeast-like fungi which does not cause alcoholic fermentation.—BAY.

THE *Bulletin de l'Herbier Boissier*, in recent numbers (April and May), published a series of botanical studies of the islands of the Le-

vant by C. J. Forsyth Major and William Barbey; a comparative study of the genus *Thunbergia* by Charles Roulet; and new plants from the eastern slopes of the Caucasus, by N. Alboff, many of which have strong North American affinities.

IN THE *Bulletin* of the College of Agriculture of the Imperial University of Japan, (2: 1-33) is a paper by Prof. O. Loew, on the energy of living protoplasm. This paper outlines the history of protoplasmic action in view of the discoveries of Loew and Bokorny. Prof. Loew brings together a series of new facts about the occurrence and rôle of the active albumen, which he has found in very many trees, leaves as well as flowers.—BAY.

IN THE *Bulletin of the Torrey Botanical Club* (June) Dr. Britton publishes a revision of the genus *Lechea*, having succeeded Mr. Leggett in its study. The species are difficult to discriminate and hence have been much confused in collections, necessitating a study of the types, which have not always been forthcoming. Dr. Britton recognizes fourteen species. In the same number Mr. Bicknell separates *Helianthemum majus* (L.) from our *H. Canadense*, with which it has been confounded; Mr. Kearney describes several interesting plants from the southern states; and Professor Underwood describes a new *Selaginella* from Mexico.

THE FOLLOWING changes have occurred in addresses of botanists from January to June, 1894, in addition to those already noted in these pages: Dr. W. Saposchnikoff, formerly in Moskow, now at the University of Tomsk; Prof. F. Delpino has gone from Bologna to the Botanic Gardens at Naples; Dr. Giessler (Göttingen) was called to Lauterbach by Fulda as assistant in the Centralmolkerei; Prof. Zacharias of Strassburg was called to Hamburg as custos of the Botanic Gardens; Prof. Julius Klein is now at the Naples Zoological Station; Dr. W. Scott has gone to Mauritius as Director of Forests and of the Botanic Gardens; Dr. R. Otto, formerly at Berlin, is now at the Royal Pomological Institute at Proskau, O. S.; Dr. Fr. Krüger of Geisenheim took Dr. Otto's position at the Kgl. Landw. Hochschule at Berlin; Henry O. Forbes is now Director of the Museum at Liverpool, Eng.; Prof. O. Mattiolo is now at the Botanic Gardens at Bologna (instead of Prof. Delpino); Dr. C. Avetta is at Parma; Dr. Cesali is now first assistant botanist at the University of Rome; Prof. D. Lovisato has been called to the Botanic Gardens at Cagliari, as professor of botany; Arturo Baldini was elected custos of the Botanic Gardens at Bologna; G. F. Sarauw was elected assistant at the National Museum, Copenhagen, Denmark; J. E. Willis, recognized lecturer in Botany at Cambridge, was elected senior assistant in Botany and lecturer at Queen Margaret College in Glasgow, Scotland.—BAY.